

SEQUENCE LISTING

<110> Towa Kagaku Co., Ltd.
National Institute of Advanced Industrial Science and Technology

<120> DIOXIN BINDING MATERIAL AND DIOXIN DETECTING OR QUANTIFYING METHOD

<130> P04-97

<150> JP2003-353026
<151> 2003-10-10

<160> 24

<170> PatentIn version 3.1

<210> 1
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<212> PRT
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<223> oligopeptide for detecting dioxin

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<222> (1).. (1)
<223> Xaa is a hydrophobic amino acid residue with a side chain having a ring structure/ring structures, preferably phenylalanine, 1-naphthylalanine, cyclohexylalanine and the like. Xaa of this position is represented as A1 in the description.

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<222> (5).. (5)
<223> Xaa is a hydrophobic amino acid residue having an aliphatic hydrocarbon group or an aromatic hydrocarbon group, preferably valine, leucine, isoleucine, phenylglycine and the like. Xaa of this position is represented as A2 in the description.

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<222> (5).. (5)

2/10

<223> Xaa is a hydrophobic amino acid residue having an aliphatic hydrocarbon group or an aromatic hydrocarbon group, preferably valine, n-valine, leucine, phenylglycine and the like. Xaa of this position is represented as A2 in the description.

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<222> (6)..(6)

<223> Xaa of this position is represented as (X)n in the description wherein n is 0 or 1, and X represents an amino acid residue.

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Xaa Leu Asp Gln Xaa Xaa
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Phe Leu Asp Gln Ile
1 5

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Phe Leu Asp Gln Val
1 5

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<222> (1)..(1)
<223> Xaa is Nal(1) (1-naphthylalanine).

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Xaa Leu Asp Gln Val
1 5

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<222> (1)..(1)
<223> Xaa is Cha (cyclohexylalanine).

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Xaa Leu Asp Gln Val
1 5

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Phe Ala Asp Gln Val

1 5

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Phe Phe Asp Gln Val

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Phe Ile Asp Gln Val

1 5

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Phe Met Asp Gln Val
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<222> (2)..(2)

<223> Xaa is Nle (n-Leucine).

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Phe Asn Asp Gln Val
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Phe Leu Ala Gln Val

1 5

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Phe Leu Leu Gln Val

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<222> (3)..(3)

<223> Xaa is Nva (n-Valine).

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Phe Leu Xaa Gln Val

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Phe Leu Asn Gln Val
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Phe Leu Glu Gln Val
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Phe Leu Asp Ala Val
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Phe Leu Asp Leu Val

1 5

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<222> (4)..(4)

<223> Xaa is Nle (n-Leucine).

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Phe Leu Asp Glu Val

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Phe Leu Asp Asn Val
1 5

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<222> (5).. (5)
<223> Xaa is Phg (phenylglycine).

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Phe Leu Asp Gln Xaa
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Phe Leu Asp Gln Leu

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5

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<222> (5)..(5)

<223> Xaa is Nva (n-Valine).

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Phe Leu Asp Gln Xaa

1

5